

Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the Soil Survey Manual and many of the technical terms used in the description are defined in Soil Taxonomy.

Counties with Published Soil Surveys

Technical soil descriptions are located in the county soil survey descriptive legend.

Counties without Published Soil Surveys

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our [Official Soil Series Description](#) web site.

This section includes:

- (a) **Classification of the soils**

Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
Bardley-----	Very-fine, mixed, active, mesic Typic Hapludalfs
Cedargap-----	Loamy-skeletal, mixed, superactive, mesic Cumulic Hapludolls
Clafork-----	Fine, smectitic, mesic Aquertic Hapludalfs
Crestmeade-----	Fine, smectitic, mesic Vertic Argialbolls
*Crestmeade-----	Fine, smectitic, mesic Aquertic Argiudolls
Eldon-----	Clayey-skeletal, mixed, active, mesic Mollic Paleudalfs
Friendly-----	Fine, mixed, active, mesic Albaquic Hapludalfs
Gabriel-----	Fine-silty, mixed, superactive, mesic Typic Argiaquolls
Glensted-----	Fine, smectitic, mesic Vertic Albaqualfs
Goss-----	Clayey-skeletal, mixed, active, mesic Typic Paleudalfs
Gravois-----	Fine-silty, mixed, active, mesic Aquic Paleudalfs
Gunlock-----	Fine, mixed, active, mesic Fragic Oxyaquic Hapludalfs
Hacreek-----	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Hartville-----	Fine, mixed, active, mesic Aquic Hapludalfs
Healing-----	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Jemerson-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Maplewood-----	Fine, mixed, active, mesic Aquollic Hapludalfs
McGirk-----	Fine, smectitic, mesic Chromic Vertic Endoaqualfs
Moko-----	Loamy-skeletal, mixed, superactive, mesic Lithic Hapludolls
Moniteau-----	Fine-silty, mixed, superactive, mesic Typic Endoaqualfs
Niangua-----	Very-fine, mixed, active, mesic Typic Hapludalfs
Racket-----	Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
Rueter-----	Loamy-skeletal, siliceous, active, mesic Typic Paleudalfs
Sacville-----	Fine, smectitic, mesic Vertic Argiaquolls
Speed-----	Fine-silty, mixed, superactive, mesic Argiaquic Argialbolls
Sturkie-----	Fine-silty, mixed, superactive, mesic Cumulic Hapludolls
Union-----	Fine, mixed, active, mesic Oxyaquic Fragiudalfs
Willowfork-----	Fine, smectitic, mesic Typic Argialbolls
Winnipeg-----	Fine-silty, mixed, active, mesic Typic Paleudalfs
Wrengart-----	Fine-silty, mixed, active, mesic Fragic Oxyaquic Hapludalfs